

No. of Questions - 5] [Total No. of Printed Pages - 2]

Dec.-22-0282

IT-601 (Management Information Systems)

B.Tech. 6th (CBCS)

Time : 3 Hours

Max. Marks : 60

Candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Instruction : Attempt Five questions in all. Question no. 5 in Section E is compulsory. Rest attempt one question each from the Sections A, B, C, and D.

SECTION - A

- (a) What is the role of the Internet in Management Information System (MIS)? What is the role of information in decision making? Also, explain various methods to collect data. (10)
- (b) Define and explain the term MIS. What are the characteristics of MIS? Explain the relevance of MIS to the organizations. (10)

SECTION - B

- (a) Briefly explain the different categories of Information System? Explain Systematic Approach of MIS in Planning, Organizing and Controlling. (10)
- (b) Discuss the conceptual system design document of the MIS for strategic advantage. Support your answer with suitable examples. (10)

SECTION - C

- (a) What is the IT infrastructure of an organization? Discuss the various components of IT infrastructure. Also, discuss the challenges faced by an organization for managing the IT infrastructure.

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- (b) What are the major types of computer software used in business? Also, explain what are the principal issues in managing hardware and software technology. (10)

SECTION - D

4. (a) What is the role of the database management system in a MIS? What are the benefits and limitations of the relational database model for current business applications? (10)
- (b) What is Information and communications technology (ICT) for development? Justify answer with suitable examples using E-governance and E-participation concept. (10)

SECTION - E

5. Explain the following:
 - (a) Decision support system
 - (b) Network model of database system
 - (c) File structure
 - (d) ERP
 - (e) IT Infrastructure library
 - (f) Open-source software for MIS
 - (g) Data warehouses
 - (h) IT outsourcing
 - (i) Internet and intranet
 - (j) Role of IS in the globalization of education. (10×2=20)

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]

May-23-0534

IT-601 (Management Information Systems)
B.Tech. 6th (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all. Question no. 9 in section E is compulsory. Rest attempt one question each from the sections A, B, C and D.

SECTION - A

1. Define Management Information System (MIS) and explain its role in organizational decisionmaking. (10)
2. What are the different types of information systems used in modern organizations? Describe the characteristics and functions of each system and give an example of how each system can be used to support decision-making. (10)

SECTION - B

3. What is the importance of MIS planning in organizations? Describe the key steps involved in the MIS planning process, and how can they be used to develop an effective MIS plan. (10)
4. What is the role of technology in MIS planning? Describe some of the common technologies used in MIS, and how they can be leveraged to support decision-making and improve organizational performance. (10)

SECTION - C

5. Explain the concept of enterprise architecture in the context of IT infrastructure. Describe the key components of an enterprise

architecture, and how can they be used to align IT infrastructure with organizational goals and objectives. (10)

6. What are the different types of IT infrastructure used in modern organizations? Describe the characteristics and functions of each type of infrastructure and give an example of how each type can be used to support decision-making. (10)

SECTION - D

7. What is the importance of data management in MIS? Describe the key components of a data management framework, and how can they be used to ensure the effective collection, storage, processing, and analysis of data for decision-making. (10)
8. Explain the concept of data governance in the context of MIS. Describe the key elements of a successful data governance framework, and how can it be used to ensure the effective management and protection of data assets? (10)

SECTION - E (Compulsory)

9. Answer the following:
 - (a) What is the role of a project manager in information system development?
 - (b) What are the primary functions of MIS?
 - (c) What are the key components of an MIS?
 - (d) Explain ERR.
 - (e) Describe the functionality of Decision Support System.
 - (f) What is Management Information Systems interfacing?
 - (g) Discuss the role of managers in an organization.
 - (h) Compare information and data.
 - (i) Define DBMS.
 - (j) List the characteristics of MIS. (10×2=20)

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]

Dec-24-0469 (CBCS)

IT-601 (Management Information Systems)

B.Tech-6th (CBCS)

Time : 3 Hours

Max. Marks : 60

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note: Attempt five questions in all, select one question from each section A, B, C, D. Section E (Question-9) is compulsory.

SECTION-A

1. Explain the key components of a Management Information System (MIS) and how they work together to support decision-making within an organization. Provide examples to illustrate your answer. (10)
2. What are the major challenges that organizations face when implementing a Management Information System (MIS)? Discuss the strategies that organizations can use to overcome these challenges and ensure successful implementation. (10)

SECTION-B

3. Explain the different types of information systems that are typically used within an organization and provide examples of each. In what ways do these systems contribute to the overall MIS planning process? (10)
4. Explain the role of stakeholders in the MIS planning process. Who are the key stakeholders that should be involved, and how can their perspectives and input contribute to a more effective system design and implementation? (10)

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SECTION-C

5. Explain the concept of Business Intelligence (BI) and how is it used to drive decision-making in organizations. What are some common BI tools and techniques used in the industry? (10)
6. What are the ethical and social implications of using management information systems? Discuss the potential risks and benefits associated with the use of MIS in organizations. (10)

SECTION-D

7. Explain the concept of data warehousing and its role in managing large volumes of data. What are the key considerations when designing a data warehousing solution? (10)
8. Describe the role of metadata in managing data resources. What are the different types of metadata and how can they be used to improve data quality? (10)

Section-E (Compulsory)

9. Answer the following:
 - (a) What is the primary function of a management information system?
 - (b) What is the difference between data and information?
 - (c) What is the role of MIS in decision-making processes?
 - (d) What is a database management system?
 - (e) What is the purpose of a decision support system?
 - (f) What is a data warehouse?
 - (g) What is the difference between structured and unstructured data?
 - (h) What is the significance of business intelligence in MIS?
 - (i) What are the key components of a management information system?
 - (j) What is the role of MIS in supply chain management? (10×2=20)